

RECEIVED
CENTRAL FAX CENTER

JUN 15 2009

Applicants: Y.S. Fung et al.
Serial No.: 10/772,313
Filed: February 6, 2004
Page 2

Amendments to the Claims

The following lists all pending claims as amended.

1. (Currently Amended) An anionic electrophoretic coating method comprising:
providing a basic electrophoretic coating bath of an equilibrated water based emulsion of ionic polymeric nanoparticles having ~~an average~~ a particle size between 10 and 100 nm, an average particle size of about 50 nm, and having a pH of 7.8 to 9, a conductivity of 800-1500 μ /cm and containing about 1% or less of organic solvent;
submerging the conductive work piece in the bath; and
applying a current to the conductive workpiece such that a coating of nanoparticles forms thereon.
2. (Cancelled).
3. (Currently Amended) The method according to claim 2 1, wherein the coating bath composition has a pH of 7.9 to 8.5 and a conductivity of 800 to 1300 μ S/cm⁻¹.
4. (Currently Amended) The method according to claim 2 1, wherein the coating bath composition does not contain an electrophoretically coatable pigment.
5. (Currently Amended) The method according to claim 2 1, wherein the coating bath composition contains an electrophoretically coatable pigment.
6. (Currently Amended) The method according to claim 2 1, wherein the coating bath composition contains about 1 to 30 weight percent solids.
7. (Currently Amended) The method according to claim 2 1, wherein the coating is effected at room temperature employing a driving voltage of about 10 to 30 volts for about 15 to 60 seconds.

Applicants: Y.S. Fung et al.
Serial No.: 10/772,313
Filed: February 6, 2004
Page 3

8. (Currently Amended) The method according to claim 2 1, wherein the coating formed is baked.
9. (Previously Presented) The method according to claim 8, wherein the baking takes place at a temperature of about 100 to 180°C for about 20 to 30 minutes.
10. (Original) The method according to claim 8, wherein the coating bath composition does not contain an electrophoretically coatable pigment.
11. (Original) The method according to claim 8, wherein the coating bath composition contains an electrophoretically coatable pigment.
12. (Currently Amended) The method according to claim 2 1, wherein the coating bath composition contains about 1 to 30 weight percent solids.
13. (Previously Presented) The method according to claim 12, wherein the coating occurs at room temperature at a driving voltage of about 10 to 30 volts for about 15 to 60 seconds.
14. (Previously Presented) The method according to claim 13, at additionally comprising baking the coating.
15. (Currently Amended) The method according to claim 14, wherein baking ~~is~~ occurs at a temperature of about 100 to 180°C- for about 20 to 30 minutes.
16. (Previously Presented) The method according to claim 15, wherein the coating bath does not contain an electrophoretically coatable pigment.
17. (Previously Presented) The method according to claim 16, wherein the coating bath contains an electrophoretically coatable pigment.